

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): K. OGUMA, et al

Serial No.: (not yet assigned)

Filed: July 10, 2003

For: TRAIN DETECTION SYSTEM AND A TRAIN DETECTION METHOD

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97 & 1.98

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

July 10, 2003

Sir:

In the matter of the above-identified application, this information disclosure statement is being submitted with the following citation as specified in 37 CFR 1.97(d).

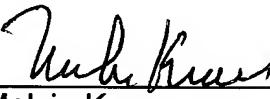
"A copy of any patent, publication or other information listed in an information disclosure statement is not required to be provided if it was previously cited by or submitted to the Office in a prior application, provided that the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120."

Applicant(s) are submitting herewith a copy of Form PTO-1449 which list documents cited in parent application(s) Serial No. 10/219,269, filed August 16, 2002, Serial No. 09/986,089, filed November 7, 2002, now U.S. Patent No. 6,470,244, Serial No. 09/832,043, filed April 11, 2001, now U.S. Patent No. 6,317,664 and Serial No. 09/073,851, filed May 7, 1998, now U.S. Patent No. 6,230,085.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (503.36233CC4) and please credit any excess fees to such deposit account.

Respectfully submitted,



Melvin Kraus
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Attachment
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Form PTO-1449
Equivalent

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No. 503.36233CC4
Serial No. (not yet assigned)
Applicant: K. OGUMA et al
Filing Date: July 10, 2003
Group:

U.S. Patent Documents

Examiner Initials	Document No.	Date	Name	Class Subclass	Filing Date If Approp.
	3,686,075	2/75	Blazek et al		
	4,320,881	3/82	Campbell		
	4,498,650	2/85	Smith et al		
	4,619,425	10/86	Nagel		
	4,855,737	8/89	Poole		
	5,459,663	10/95	Franke		
	6,230,086	5/01	Oguma et al		

Foreign Patent Documents

Document No.	Date	Country	Class Subclass	Translation	Yes	No
0 165 048 A2	12/85	European				
3-128760	5/91	Japan				
0 410 218 A2	1/97	European				
9-193800	7/97	Japan				
WO 98/10618	3/98	PCT/JP/02502				

Other Documents (including Author, Title, Date, Pertinent Pages, etc.)

Collins et al.; Performance of Railway Track Circuit Codes with Burst Interference; IEEE; Vehicular Technology Conference, 4-7 May 1997; Vol. 3; pp. 1927-1931

Examiner _____ Date Considered _____

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.